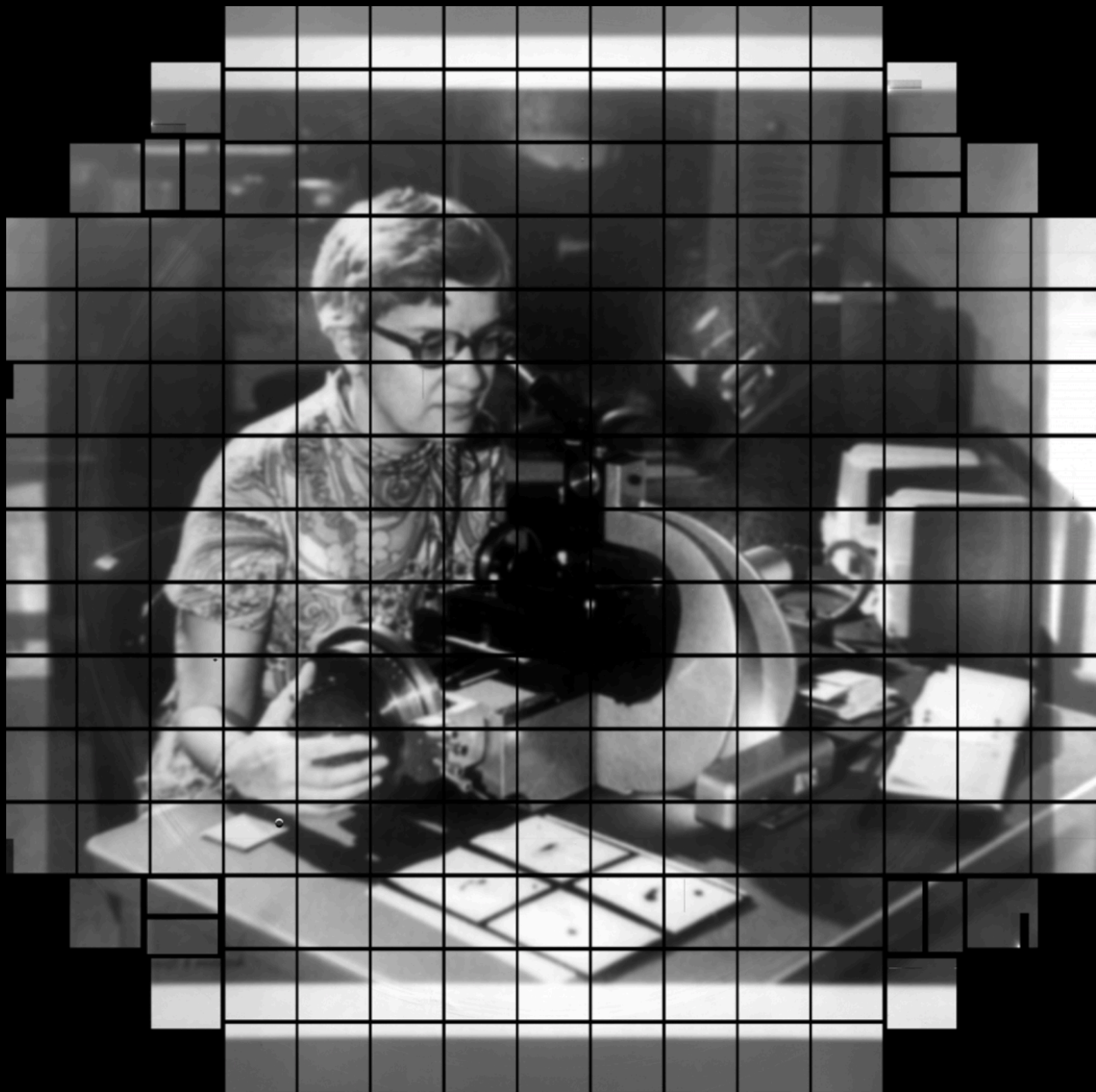
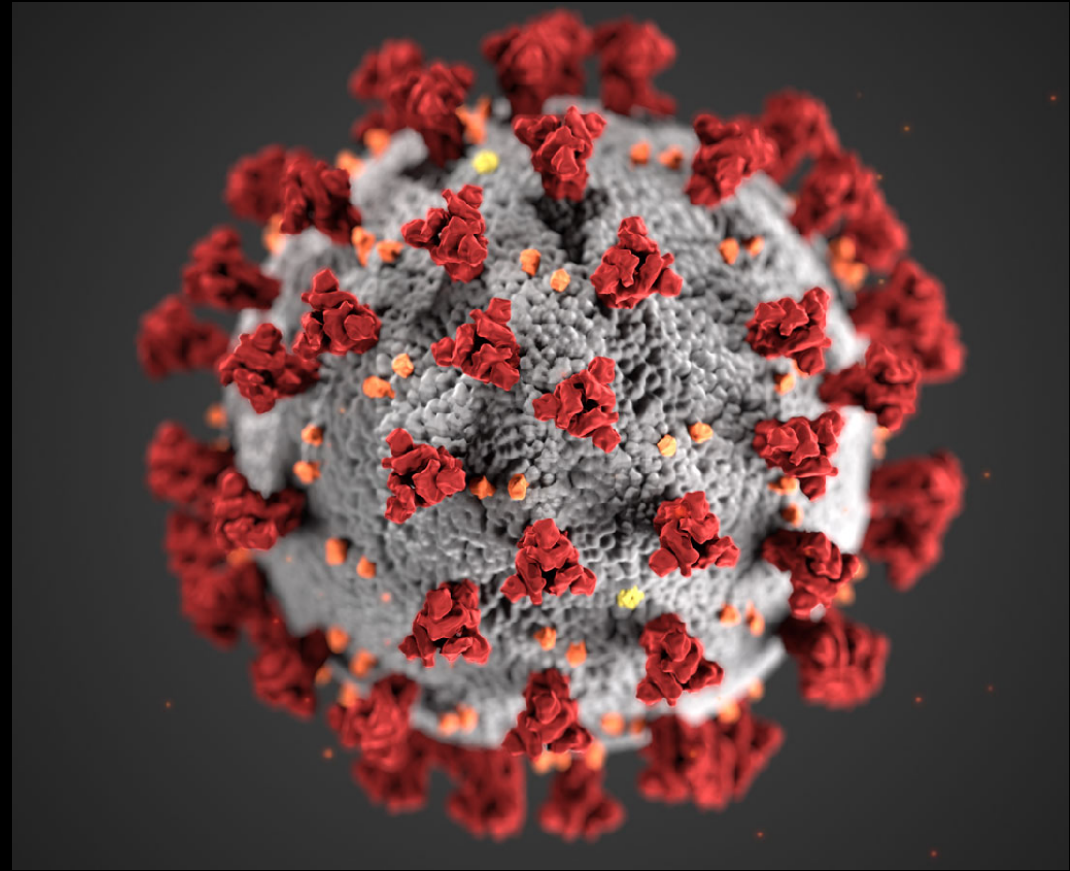


AAAC

2020-2021 AAAC REPORT



COVID-19



COVID-19

- The agencies have made tremendous efforts to mitigate the impacts of COVID-19 on their community-facing work
- Focus on early career scientists is important, and should continue
- To the extent possible, Congress should supplement appropriations to offset planned cuts

DATA



DATA

- Good progress is being made towards more open data standards and guidelines
- Data provenance is nearly as important as the data itself, which has implications for open code
- After Astro2020, a review should be made on data access
- AAAC should revisit its principles of access

NEOS AND MEGA- CONSTELLATIONS



NEOS

- The delay of the NEO Surveyor mission KDP is a concern
- Current and future ground and space missions are essential to the success of meeting the charge of the George E. Brown Act

MEGACONSTELLATIONS

- Cross-agency efforts to deliver data-driven recommendations are needed to work with industry to mitigate the impact of satellite megaconstellations on optical and radio astronomy

NSF-SPECIFIC



NSF-SPECIFIC

- The MSIP program is an important recommendation from Astro2010, but is both under- and variably-funded. Stability of the line is encouraged, as is growth.
- Metrics regarding success rates for MRI, MSIP, and MSRI are difficult to obtain, hampering the AAAC's work.
- The current way NSF reports its budget to the committee hampers the AAAC's ability to meet its charge.
- The AAAC strongly supports the Facility Operation Transition pilot, but notes it is significantly under-funded relative to the amount needed for NSF to meet its strategic facility commitments while maintaining a robust grants and instrumentation line

NASA-SPECIFIC



NASA-SPECIFIC

- The addition of Inclusion as a core value for NASA is strongly supported by the AAAC
- Reports on the implementation of the Strategy for Data Management and Computing for Groundbreaking Science are requested by the AAAC
- Continued reporting on the evolution of dual-anonymous implementation is requested by the AAAC
- Reporting on the efforts to increase diversity of mission PIs is requested by the AAAC

DOE OFFICE
OF SCIENCE-
SPECIFIC



DOE-SPECIFIC

- Reporting on the progress of CMB-S4 is requested by the AAAC
- Along with NSF, the AAAC requests that DOE provide updates on the implementation of a long-term operations plan for the Rubin Observatory
- Updates on DESI science operations and science program are requested by the AAAC

DIVERSITY, EQUITY, AND INCLUSION



DEI

- The AAAC requests evidence of bias mitigation in review processes from each of the agencies
- A lack of publicly accessible demographic data hampers the ability to review initiatives at the agencies, and the agencies should work with OMB to collect and release demographic data
- The AAAC would like to see regular DEI initiative updates from the agencies

ASTRO2020



ASTRO2020

- Everyone working on Astro2020 deserves significant recognition for working on the Survey in a very difficult environment
- Leadership by the United States in the astronomical sciences is threatened by budget uncertainty and other pressures.
- Absent robust planning, resources, and resource phasing, the agencies will be unable to implement an ambitious and transformative set of recommendations from Astro2020